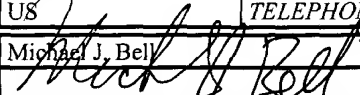


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PTO/SB/05 (2/98)  
Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>Only for new nonprovisional applications under 37 CFR 1.53(h)</small>		Attorney Docket No.	06192.0204.NPUS00		
		First Named Inventor or Application Identifier		Joong-Hyun Moon	
		Title	Liquid Crystal Display Having Wide Viewing Angle		
		Express Mail Label No.			
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents</small>		<b>ADDRESS TO:</b> Assistant Commissioner for Patent Box Patent Application Washington, DC 20231			
1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082) <small>(Submit an original and a duplicate for fee processing)</small>	2. <input checked="" type="checkbox"/> Specification <small>(preferred arrangement set forth below)</small> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R&D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <input type="text" value="3"/> ] 4. Oath or Declaration [Total Pages <input type="text" value="18"/> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> <small>[Note Box 5 below]</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small>	5. <input type="checkbox"/> Incorporation By Reference <small>(useable if Box 4b is checked)</small> <small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small>	6. <input type="checkbox"/> Microfiche Computer Program <small>(Appendix)</small>	7. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies	
<b>ACCOMPANYING APPLICATION PARTS</b>					
8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))					
9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small>					
10. <input type="checkbox"/> English Translation Document <small>(if applicable)</small>					
11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations					
12. <input type="checkbox"/> Preliminary Amendment					
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two) <small>(should be specifically itemized)</small>					
14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired					
15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small>					
16. <input type="checkbox"/> Other:					
<small>*NOTE FOR ITEMS 1 &amp; 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</small>					
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application No: / Prior Application Information: Examiner:    Group/Art Unit:					
<b>18. CORRESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label    22930    or <input type="checkbox"/> Correspondence address below <small>(Insert Customer No. or Attach bar code label here)</small>					
NAME		Michael J. Bell HOWREY SIMON ARNOLD & WHITE, LLP			
ADDRESS		Box No. 34 1299 Pennsylvania Avenue, N.W.			
CITY	Washington	STATE	DC	ZIP CODE    20004-2402	
COUNTRY	US	TELEPHONE	202-783-0800	FAX    202-383-7195	
Name (Print/Type)	Michael J. Bell	Registration No. (Attorney/Agent)	39,604		
Signature		Date	October 5, 2001		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

Attorney Docket No. 06192.0204.NPUS00

ASSISTANT COMMISSIONER FOR PATENTS  
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Joong-Hyun MUN and Jang-Kun SONG**For: **LIQUID CRYSTAL DISPLAY HAVING WIDE VIEWING ANGLE**

Enclosed is a new application comprising:

- ☒ A specification containing: 13 pages of description prior to the claims; 4 pages of claims (8 claims); a one (1) page abstract; 3 sheets of drawings (**Figures 1, 2 and 3**)
- ☒ PTO SB/05

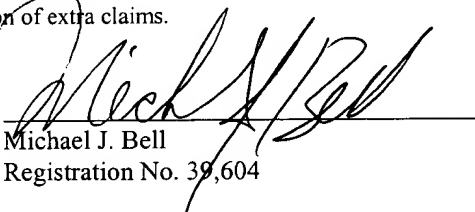
The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE			RATE	FEE
BASIC FEE				\$ 345.00			\$ 740.00
TOTAL CLAIMS	8-20 =	* 0	x 9 =			x 18 =	-0-
INDEP. CLAIMS	3-3 =	* 0	x 39 =			x 84 =	-0-
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+ 130 =			+ 270 =	
			TOTAL			TOTAL	<b>\$740.00</b>

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

- ☒ A check in the amount of **\$740.00** to cover the basic filing fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of any extra claim and the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0204.NPUS00. *A copy of this sheet is enclosed.*
- ☒ Any patent application processing fees under 37 CFR 1.17
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date October 5, 2001

  
 Michael J. Bell  
 Registration No. 39,604

October 5, 2001

**Box New Applications**

Assistant Commissioner for Patents  
Washington, DC 20231

Re: New Utility Non-Provisional U.S. Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Title: **LIQUID CRYSTAL DISPLAY HAVING WIDE VIEWING ANGLE**  
Inventors: Joong-Hyun MUN, *et al.*  
Our Ref: 06192.0204.NPUS00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

**LIQUID CRYSTAL DISPLAY HAVING WIDE VIEWING  
ANGLE**

and naming as inventors: **Joong-Hyun MUN**  
**Jang-Kun SONG**

the application consisting of:

a. A specification containing:

- (i) **13** pages of description prior to the claims;
- (ii) **4** pages of claims (**8** claims);
- (iii) a **one** (1) page abstract;

b. **3** sheets of drawings: (**Figures 1, 2 and 3**);

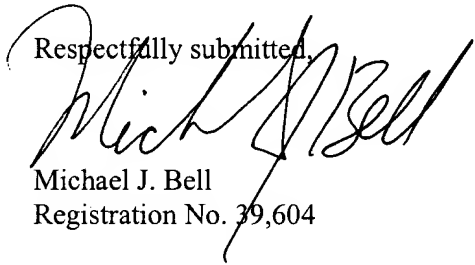
4. Executed Combined Declaration-Power Attorney;
5. Executed Assignment, PTO 1595 Assignment Recordation Sheet and Check No. 002475 to cover the Assignment Recordation fee;

6. Claim for Priority and certified copy of Korean Patent No. 2001-1791 filed January 12, 2001;
7. Check No. 002476 in the amount of \$740.00 to cover the Basic Application Filing Fee;
8. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0204.NPUS00. *A copy of this letter is enclosed.*

Respectfully submitted,

  
Michael J. Bell  
Registration No. 39,604

Enclosures

06192.0204.NPUS00